

## **Anticipation Guide : Chapter 2, section 2 Electrons in Atoms**

Mebruer-Chemistry I

**Before reading pages 69-79:** In the space to the left of each statement, place a check mark ( ✓ ) if you agree or think the statement is true.

**After reading:** In the space to the right of each statement, place a check mark if the statement is true. Keep in mind that this is not like the traditional “worksheet.” You may have to put on your thinking caps and “read between the lines.”

**Use the space under each statement to note the page(s), and paragraph(s) where you are finding information to support your thinking.**

### BEFORE

### AFTER READING

- |  |     |
|--|-----|
| ___1. A Lewis dot diagram represents an element with its inner energy level electrons.     | ___ |
| ___2. The largest energy level is the inner level.   | ___ |
| ___3. Electrons do not move in neat, planet like orbits around the nucleus of an atom.     | ___ |
| ___4. Electrons have unlimited energy.   | ___ |
| ___5. Electrons may change energy levels.  | ___ |
| ___6. Electromagnetic energy reacts only with matter that has a large nucleus.             | ___ |
| ___7. Not all bands of the electromagnetic spectrum are visible.                           | ___ |
| ___8. Waves do not transfer matter.  | ___ |
| ___9. Electromagnetic waves travel at various speeds.                                      | ___ |
| ___10. Electrons take up very little space within the electron cloud.                      | ___ |
| ___11. Electrons of one atom may never interact with electrons of another atom.            | ___ |
| ___12. The study of valance electrons is relatively unimportant to the study of chemistry. | ___ |